

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent No.: 7,046,239 B2  
Issued: May 16, 2006  
To: Atsushi MATSUURA and Shinichi SUZUKI  
For: ELECTRONIC APPARATUS  
U.S. Serial No.: 09/770,078  
Filed: January 25, 2001

Certificates of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**REQUEST FOR CERTIFICATE OF  
CORRECTION UNDER 37 C.F.R. 1.323**

It is respectfully requested that a Certificate of Correction be issued for U.S. Patent No. 7,046,239 B2, issued May 16, 2006, for the purpose of correcting typographical errors due to Applicants' errors.

Attached is Form PTO-1050 (PTO/SB/44) which is suitable for printing.

The typographical errors in U.S. Patent No. 7,046,239 B2 are set forth below:

In FIG. 51:

Due to typographical errors, "S41", "S42", "S43", "S44", "S45", "S46", "S47", "S48", "S49", "S50", "S60", and "S70" should have been "S3041", "S3042", "S3043", "S3044", "S3045", "S3046", "S3047", "S3048", "S3049", "S3050", "S3060", and "S3070".

In FIG. 52:

Due to typographical errors, "S50", "S51", "S52", "S53", "S54", "S55", "S56", "S57", "S58", and "S59" should have been "S3050", "S3051", "S3052", "S3053", "S3054", "S3055", "S3056", "S3057", "S3058", and "S3059".

In FIG. 53:

Due to typographical errors, "S60", "S61", "S62", "S63", "S64", "S65", "S66", "S67", and "S69" should have been "S3060", "S3061", "S3062", "S3063", "S3064", "S3065", "S3066", "S3067", and "S3069".

In FIG. 54:

Due to typographical errors, "S70", "S71", "S72", "S73", "S74", "S75", "S76", "S77", "S78", "S79", "S80", and "S81" should have been "S3070", "S3071", "S3072", "S3073", "S3074", "S3075", "S3076", "S3077", "S3078", "S3079", "S3080", and "S3081".

The foregoing typographical errors were due to Applicants' error. Accordingly, pursuant to 37 C.F.R. §1.20(a), please charge \$100.00 to cover the fee for issuance of a Certificate of Correction to Sidley Austin LLP's Deposit Account No. 18-1260. If any additional fees are due please charge them to Deposit Account No. 18-1260. Please credit any overpayment to Deposit Account No. 18-1260.

Please issue a Certificate of Correction and transmit the Certificate to the attorney whose signature and address appear below.

U.S. Patent No. 7,046,239 B2  
Attorney Docket No.: 15162/02750

Respectfully submitted,

By: Thomas N. Tarnay/Reg. No. 41,341

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December 15, 2010

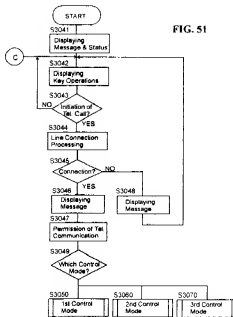
## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,046,239 B2  
 APPLICATION NO.: 09/770,078  
 ISSUE DATE : May 16, 2006  
 INVENTOR(S) : Katsuhiko Asai et al.

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 39, FIG. 51, please delete FIG. 51, and add new FIG. 51 below:



MAILING ADDRESS OF SENDER (Please do not use customer number below):

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 Dallas, Texas 75201

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

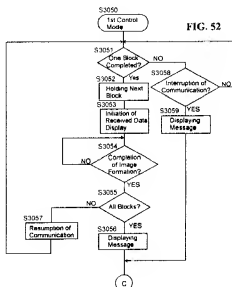
## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,046,239 B2  
APPLICATION NO.: 09/770,076  
ISSUE DATE : May 16, 2006  
INVENTOR(S) : Katsuhiko Asai et al.

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 40, FIG. 52, please delete FIG. 52, and add new FIG. 52 below:



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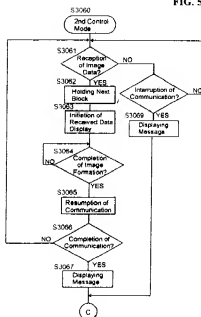
PATENT NO. : 7,046,239 B2  
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 ISSUE DATE : May 16, 2006  
 INVENTOR(S) : Katsuhiko Asai et al.

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 41, FIG. 53, please delete FIG. 53, and add new FIG. 53 below:

FIG. 53



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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

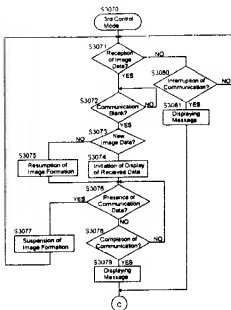
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 ISSUE DATE : May 16, 2006  
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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawing Sheet 42, FIG. 54, please delete FIG. 54, and add new FIG. 54 below:

FIG. 54



MAILING ADDRESS OF SENDER (Please do not use customer number below):

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